

ABSTRACT:

An object of the present invention is to provide a polybutylene terephthalate pellet capable of producing a molded product which is excellent in color tone, hydrolysis resistance, transparency and molding stability, and has a less content of impurities.

A polybutylene terephthalate pellet comprises polybutylene terephthalate containing titanium in an amount of not more than 90 ppm by weight, as calculated as titanium atom, and having an end methoxycarbonyl group concentration of not more than 0.5 $\mu\text{eq/g}$, wherein said pellet has an average intrinsic viscosity of 0.90 to 2.00 dL/g and a difference in intrinsic viscosity between a central portion and a surface layer portion of the pellet is not more than 0.10 dL/g. As preferred embodiments, there is exemplified a polybutylene terephthalate pellet having an end carboxyl concentration of 10 to 25 $\mu\text{eq/g}$, an end vinyl concentration of 0.1 to 10 $\mu\text{eq/g}$, and an solution haze of not more than 5%, when measured as a turbidity value of a solution prepared by dissolving 2.7 g of polybutylene terephthalate in 20 mL of a mixed solution containing phenol and tetrachloroethane at a weight ratio of 3:2.